

VACUUM RTM MOLDING METHOD

Publication number: JP2003025347 (A)

Publication date: 2003-01-29

Inventor(s): SEKIDO SHUNEI; OOSETO HIROKI

Applicant(s): TORAY INDUSTRIES

Classification:

- international: B29C39/10; B29C39/24; B29C39/44; B29K63/00; B29K105/08; B29K105/20;
B29C39/10; B29C39/22; B29C39/24; (IPC1-7): B29C39/10; B29C39/24; B29C39/44;
B29K63/00; B29K105/08; B29K105/20

- European:

Application number: JP20010215210 20010716

Priority number(s): JP20010215210 20010716

Abstract of JP 2003025347 (A)

PROBLEM TO BE SOLVED: To prevent the generation of a resin unimpregnated part caused by the excessive local flow of an injected resin in a cavity. **SOLUTION:** In the vacuum RTM molding method wherein the cavity of a mold, in which a reinforcing fiber substrate is arranged, is evacuated and the resin is injected in the evacuated cavity by utilizing the difference pressure between the inner pressure of the cavity and outside pressure to impregnate the reinforcing substrate, the injection speed of the resin is reduced to a flow velocity lower than the natural flow velocity due to the difference pressure to inject the resin in the cavity.

